

SEQUENCE LISTING

<110> Olson, Gary L.  
Self, Christopher  
Lee, Lily  
Cook, Charles M.  
Birktopf, Jens

<120> THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR THE  
MODULATION OF ANGIOGENESIS

<130> PPI-106CP2

<140> US 10/001,945  
<141> 2001-11-01

<150> US 09/972,772  
<151> 2001-10-05

<150> US 09/704,251  
<151> 2000-11-01

<160> 37

<170> PatentIn Ver. 2.0

<210> 1  
<211> -4  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> VARIANT  
<222> 4  
<223> Xaa at position 4 may be any amino acid

<220>  
<223> Description of Artificial Sequence: Motifs

<400> 1  
Pro Leu Gly Xaa  
1

<210> 2  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> VARIANT  
<222> 2  
<223> Xaa at position 2 represents L-cyclohexylalanine

<220>  
<221> VARIANT  
<222> 4

RECEIVED  
JUN 20 2003  
TECH CENTER 1600/2900



<223> Xaa at position 4 represents methylated cysteine

<220>

<223> Description of Artificial Sequence: Motifs

<400> 2

Pro Xaa Gly Xaa His  
1 5

<210> 3

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 8

<223> Xaa at position 8 represents D-Arginine

<400> 3

Pro Gln Gly Ile Ala Gly Gln Xaa  
1 5

<210> 4

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 4

Pro Gln Gly Ile Ala Gly Trp  
1 5

<210> 5

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 4

<223> Xaa at position 4 represents methylated cysteine

<220>

<221> VARIANT

<222> 7

<223> Xaa at position 7 represents D-Arginine

<400> 5

Pro Leu Gly Xaa His Ala Xaa  
1 5

<210> 6

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 7

<223> Xaa at position 7 represents D-Arginine

<400> 6

Pro Leu Gly Leu Trp Ala Xaa  
1 5

<210> 7

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 7

Pro Leu Ala Leu Trp Ala Arg  
1 5

<210> 8

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 8

Pro Leu Ala Leu Trp Ala Arg  
1 5

<210> 9

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 9

Pro Leu Ala Tyr Trp Ala Arg  
1 5

<210> 10

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 10

Pro Tyr Ala Tyr Trp Met Arg  
1 5

<210> 11

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 2

<223> Xaa at position 2 represents L-cyclohexylalanine

<220>

<221> VARIANT

<222> 4

<223> Xaa at position 4 represents L-norvaline

<400> 11

Pro Xaa Gly Xaa His Ala  
1 5

<210> 12

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 4

<223> Xaa at position 4 represents L-norvaline

<400> 12

Pro Leu Ala Xaa

1

<210> 13  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 13  
 Pro Leu Gly Leu  
 1

<210> 14  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 14  
 Pro Leu Gly Ala  
 1

<210> 15  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 15  
 Arg Pro Leu Ala Leu Trp Arg Ser  
 1 5

<210> 16  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 2  
 <223> Xaa at position 2 represents L-cyclohexylalanine

<220>  
 <221> VARIANT  
 <222> 4  
 <223> Xaa at position 4 represents L-a-aminobutyryl

<220>  
 <221> VARIANT  
 <222> 5  
 <223> Xaa at position 5 represents methylated cysteine

<400> 16  
 Pro Xaa Ala Xaa Xaa His Ala  
 1 5

<210> 17  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 2  
 <223> xaa at position 2 represents L-cyclohexylalanine

<220>  
 <221> VARIANT  
 <222> 5  
 <223> Xaa at position 5 represents methylated cysteine

<400> 17  
 Pro Xaa Ala Gly Xaa His Ala  
 1 5

<210> 18  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 18  
 Pro Lys Pro Gln Gln Phe Phe Gly Leu  
 1 5

<210> 19  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 19  
 Pro Lys Pro Leu Ala Leu  
 1 5

<210> 20  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa at position 7 represents L-norvaline

<400> 20  
 Arg Pro Lys Pro Tyr Ala Xaa Trp Met  
 1 5

<210> 21  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa at position 7 represents L-norvaline

<400> 21  
 Arg Pro Lys Pro Val Glu Xaa Trp Arg  
 1 5

<210> 22  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa at position 7 represents L-norvaline

<400> 22  
 Arg Pro Lys Pro Val Glu Xaa Trp Arg  
 1 5

<210> 23

<211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 7  
 <223> Xaa at position 7 represents L-norvaline

<400> 23  
 Arg Pro Lys Pro Leu Ala Xaa Trp  
 1 5

<210> 24  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>  
 <221> VARIANT  
 <222> 1  
 <223> Xaa at position 1 represents a modified Proline  
 residue having an acetyl group attached

<400> 24  
 Xaa Leu Gly Met Trp Ala  
 1 5

<210> 25  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<400> 25  
 Gly Pro Leu Gly Met His Ala Gly  
 1 5

<210> 26  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Motifs

<220>



<221> VARIANT

<222> 4

<223> Xaa at position 4 represents methylated glycine

<400> 26

Gly Pro Leu Xaa

1

<210> 27

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 27

Gly Pro Leu Gly

1

<210> 28

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 28

Gly Met Gly Leu Pro

1

5

<210> 29

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 29

Ala Met Gly Ile Pro

1

5

<210> 30

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 4

<223> Xaa at position 4 represents a modified tyrosine  
residue having an O-Methyl group attached

<400> 30

Arg Gly Asp Xaa Arg Glu  
1 5

<210> 31

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 31

Gly Arg Gly Asp Ser Pro  
1 5

<210> 32

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 32

Gly Arg Gly Asp  
1

<210> 33

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 1

<223> Xaa at position 1 represents a modified Proline  
residue having an acetyl group attached

<400> 33

Xaa Leu Gly Met Ala  
1 5

<210> 34

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> VARIANT

<222> 1

<223> Xaa at position 1 represents a modified Arginine residue having an acetyl group attached

<400> 34

Xaa Gly Asp Ser Pro Leu Gly Met Trp Ala  
1 5 10

<210> 35

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 35

Pro Leu Gly Met Trp Ser Arg  
1 5

<210> 36

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<220>

<221> Acetylation

<222> (1)...(5)

<400> 36

Pro Leu Gly Met Gly  
1 5

<210> 37

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Motifs

<400> 37

Gly Pro Leu Gly Met Trp Ala Gly  
1 5